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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Isaacs et al.                      Art Unit : Unknown  
Serial No. : 09/627,600                      Examiner : Unknown  
Filed : July 28, 2000  
Title : ACTIVATION OF PEPTIDE PRODRUGS BY HK2

Commissioner for Patents  
Washington, D.C. 20231


INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed. Copies of communications from foreign patent offices in a counterpart applications are also enclosed.

This statement is being filed before the receipt of a first Office action on the merits.  
Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: Feb 13, 2001

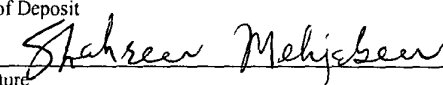
  
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Sheet 1 of 1

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|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449<br>(Modified)   | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>07265-191001 | Application No.<br>09/627,600 |
| <b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary)<br>(37 CFR §1.98(b)) |  | Applicant<br>Isaacs et al.            |                               |
|  |  | Filing Date<br>July 28, 2000          | Group Art Unit                |

## U.S. Patent Documents

| Examiner Initial | Desig. ID | Patent Number | Issue Date | Patentee           | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|---------------|------------|--------------------|-------|----------|----------------------------|
|                  | AA        | 5,905,089     | 05/18/1999 | Hwang et al.       | 514   | 468      |                            |
|                  | AB        | 5,866,679     | 02/02/1999 | DeFeo-Jones et al. | 530   | 322      |                            |
|                  | AC        | 5,741,821     | 04/21/1998 | Roufogalis et al.  | 514   | 734      |                            |
|                  | AD        | 5,599,686     | 02/04/1997 | DeFeo-Jones et al. | 435   | 23       |                            |

## Foreign Patent Documents or Published Foreign Patent Applications

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
|                  |           |                 |                  |                          |       |          | Yes         | No |
|                  | AE        | WO 99/02175     | 01/21/1999       | PCT                      |       |          |             |    |
|                  | AF        | WO 96/00503     | 01/11/1996       | PCT                      |       |          |             |    |

## Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document  |
|------------------|-----------|---|
|                  | AG        | Treiman et al., "A tool coming of age: thapsigargin as an inhibitor of sarco-endoplasmic reticulum $Ca^{2+}$ -ATPases", <i>TIPS</i> , April 1998, Vol. 19, pp 131-135.                        |
|                  | AH        | Anderen et al., " $Ca^{2+}$ -ATPase Inhibitory Activity Of a Locked Analogue of Thapsigargin", <i>Bioorganic &amp; Medicinal Chemistry Letters</i> , Vol. 4, No. 5, pp 657-660, 1994.         |
|                  | AI        | Nielsen et al., "Structure-Activity Relationships of Analogues of Thapsigargin Modified at O-11 and O-12", <i>J. Med. Chem.</i> , 1995, Vol. 38, pp 272-276.                                  |
|                  | AJ        | Bourgeois et al., "Serpine-derived Peptide Substrates...Kallikreins hK1 and hK2", <i>The Journal of Biological Chemistry</i> , Vol. 272, No. 47, Issue of Nov. 21, pp. 29590-29595, 1997.     |
|                  | AK        | Denmeade et al., "Specific and Efficient Peptide...of Prostate-specific Antigen", <i>Cancer Research</i> , Vol. 57, pp. 4924-4930, Nov. 1, 1997.  |
|                  | AL        | Coombs et al., "Substrate specificity of prostate-specific antigen (PSA)", <i>Chemistry &amp; Biology</i> , Vol. 5, No. 9, Sep. 1998, pp 475-488.   |
|                  | AM        | Brillard-Bourdet et al., "Substrate specificity...extended interaction site", <i>BBA</i> , Vol. 1246, No. 1, 5 Jan., 1995, pp. 47-52.   |
|                  | AN        | Devi, "Consensus sequence...peptide precursors...sites", <i>FEBS LETTERS</i> , Vol. 280, No. 2, 25 March 1991, pp 189-194.  |
|                  | AO        | Nakayama et al., "Consensus Sequence for Precursor Processing at Mono-arginyl Sites", <i>The Journal of Biological Chemistry</i> , Vol. 267, No. 23, Issue of Aug. 15, pp. 16335-16340, 1992. |

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|--|-----------------|
| Examiner Signature   | Date Considered |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

Substitute Disclosure Form (PTO-1449)